

Ref #	Part Number Q	y Description
1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
2	27652	Pin, Dowel
	650494	Screw, 6-40 x 5/16"
	30699C	Rod Assy., Governor (Incl. 15A & 15B)
	30700	Yoke, Governor
	33454	
		Governor Lever Assy.
	29916	Clamp, Governor lever
	650548	Screw, 8-32 x 5/16"
	34663	Spring, Speed control
	32630	Seal, Oil
25	35256A	Baffle, Blower housing
26	650561	Screw, 1/4-20 x 5/8"
30	35216	Crankshaft (Incl. 108 & 109)
32	33628	Washer, Thrust
35	29826	Screw, 10-32 x 3/4"
36	29918	Lockwasher, #8 E.T.
	30322	Locknut, Hex "Keps", 8-32
	29216	Nut & Lockwasher, 10-32 "Keps"
	29642	Ring, Retaining
	34552	Piston, Pin & Ring Set (Std.) (3-1/8")
	34553	Piston, Pin & Ring Set (3010" OS)
		· · · · · · · · · · · · · · · · · · ·
	34554	Piston, Pin & Ring Set (.020" OS)
	34329A	Piston & Pin Ass'y.(Std)(Incl.43)(3-1 /8")
	34330A	Piston & Pin Ass'y. (.010" OS)(Incl. 43)
	34331A	Piston & Pin Ass'y. (.020" OS)(Incl. 43)
	34332	Ring Set (Std.) (3-1/8" Bore)
	34333	Ring Set (.010" OS)
	34334	Ring Set (.020" OS)
	27888	Ring, Piston pin retaining
45	32591C	Rod Assy., Connecting (Incl. 49)
47	650662C	Bolt, Connecting rod (2 pieces)
48	34034	Lifter, Valve
49	34242	Dipper, Oil
50	34143	Camshaft (MCR)
	33273A	Extension, Blower housing
	650128	Screw, 10-24 x 1/2"
	35262	* Gasket, Cylinder cover
	33626B	Cyl. Cover (Incl.71,74,75,80,175,176, 311,312)
	27642	Plug, Oil drain
	33625	Seal, Oil
	31845	
		Shaft, Mechanical governor
	30590A	Washer, Flat
	30591	Gear Assy., Governor (Incl. 81)
	30588A	Spool, Governor
	29193	Ring, Retaining
	650833	Screw, 1/4-20 x 1-3/16"
	650832	Screw, 1/4-20 x 1-11/16"
89	32589	Key, Flywheel
90	611090	Flywheel
92	650815	Washer, Belleville
93	8116	Nut, Hex (1/2-20)
	35135	Lamination Assy., Solid State
	610118	Cover, Spark plug (Use as required)
	650872	Stud, Lamination mounting
	650814	Screw, Torx T-15, 10-24 x 1"
	29783	Pin, Crankshaft gear
	33245	Gear, Crankshaft
	35187	Ground Wire
110	55107	Ordana vviic

Dof #	Part Number	Ot /	Description
		Qıy	Description
	34041A		* Gasket, Head
	34030A		Head, Cylinder
125	27878A		Exhaust Valve (Std.) (Incl. 151)
125	27880A		Exhaust Valve (1/32" OS) (Incl. 151)
	34035		Intake Valve (Std.) (Incl. 151)
	34036		Intake Valve (1/32" OS) (Incl. 151)
	26073		Washer, Flat (Use as required)
	650570		Washer, Flat (Use as required)
	650691		Washer (Use as req., but not w/6021A screw)
128	650690		Washer, Belleville
129	650727		Screw, 5/16-18 x 1-3/4" (Use as requi red)
130	650694A		Screw, 5/16-18 x 2" (Use as required)
130A	6021A		Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
			650691 washer)
			,
131	650802		Screw, 1/4-20 x 5/8" (Use as required)
131	650737		Screw, 1/4-20 x 1/2" (Use as required)
	650738		Screw, 1/4-20 x 5/8" (Use as required)
	650713		Screw, 5/16-18 x 5/8" (Use as require d)
	792028		Screw, 5/16-18 x 7/8" (Use as require d)
	33636		Resistor Spark Plug (RJ17LM)
	33369		Bracket, Governor gear
	650836		Screw, 10-24 x 1/2"
149A	35862		Seal Assy., Intake valve
149	27882		Cap, Upper valve spring
150	27881		Spring, Valve
	32581		Cap, Lower valve spring
	27896A		* Gasket, Breather cover
	28423		Body, Breather
	28424		Element, Breather
	28425		Cover, Valve spring
	35350		Tube, Breather
174	650128		Screw, 10-24 x 1/2"
174	650597		Screw, 10-24 x 5/8"
178	29752		Nut & Lockwasher, 1/4-28
	30593		Clip, Primer line (Use as required)
	30088A		Screw, 1/4-28 x 1"
	33263		* Gasket, Carburetor
			,
	34707		Pipe, Intake
	31342		Spring, Compression
	650549		Screw, 5-40 x 7/16"
	610973		Terminal Assy. (Use as required)
	650378		Screw, Torx T-30, 5/16-18 x 1-1/8 "
224	27915A		* Gasket, Intake pipe
	33375D		Blower Housing (For electric starter)
	650788		Screw, 5/16-18 x 3/4" (Use as require d)
	29747B		Screw, 5/16-24 x 21/32"
	33272B		
			Cover, Cylinder head
	33280A		Muffler Muffler (Ontional quiet exuffler)
	35824		Muffler (Optional quiet muffler)
	31588		Plate, Muffler locking
277	650729		Screw, 5/16-18 x 3-3/16"
277A	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
	33013		Cover, Starter bubble
	650760		Screw, 8-32 x 3/8"
	32125		
			Cup, Starter
	35194		Screen, Starter
287	29752		Nut & Lockwasher, 1/4-28

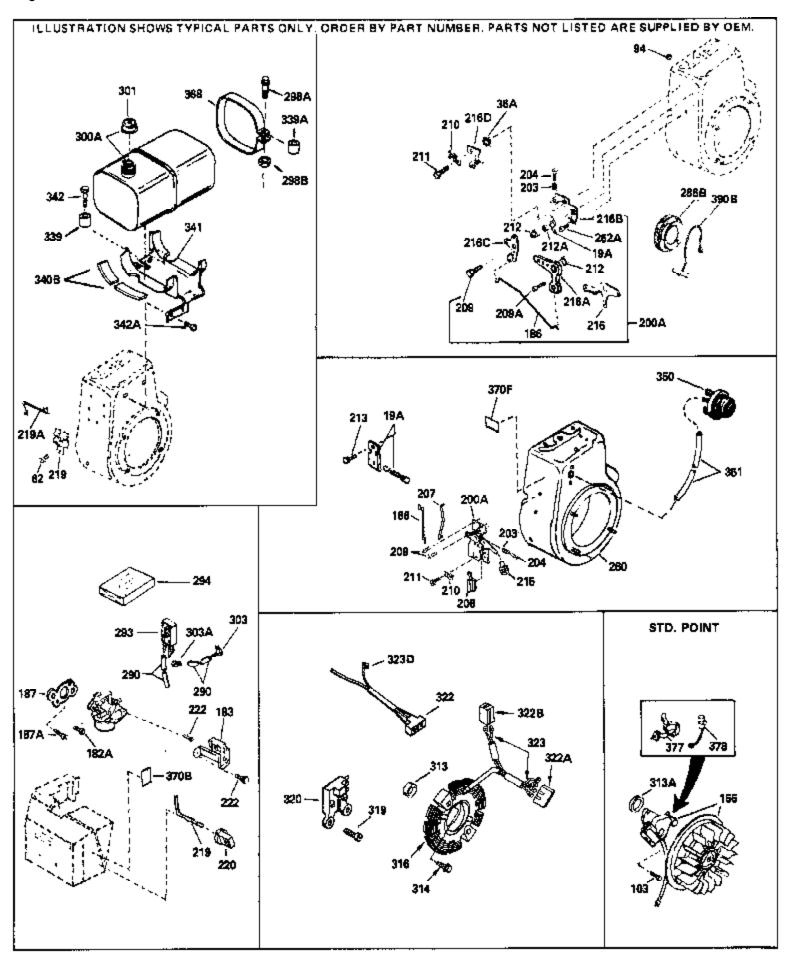
Ref #	Part Number	Qty Description
290 290 292 298	29774 30705 30962 26460 650665 34156A	Fuel Line (Braided 8-1/4")(21 cm)(As req.) Fuel Line (Braided 16")(41 cm)(Use as req.) Fuel Line (Braided 32")(81 cm)(Use as req.) Clamp, Fuel line (Use as required) Screw, 1/4-15 x 7/8" Fuel Tank (Incl. 292 & 301) NOTE: These tanks were builtwith different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the
	410144B 33032	Fuel Cap (White Plastic)(Std)(1-1/2" I.D.) Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16" I.D.)
301	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (1-3/16" I.D)
306 310 325 325 340 341 342 370J 370 370A 379	35355 29673 31297 29443 34246 34154 34155 650561 34870 34346 34686 631021 632351	Fuel Cap (Red plastic) (1-1/2" I.D.) * Gasket, Oil fill Dipstick (Incl. 306) Clip, Fuel line (Use as required) Clip, Ground wire (Use as required) Plate, Fuel tank mounting Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Decal, Instruction Can be used on HM80 with diecast starter. Decal, Instruction Decal, Name Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 184) (Refer to Division 5, Section A, page 188 for breakdown or Fiche18A-1, Grid F-5)
390	590479	Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18A-1, Grid G-5)
	33279G 35570	Gasket Set (Incl. items marked*) Screen Seal (Can be used on HM80 with stamped steel recoil starter)
409	35569	Spacer (Can be used on HM80 with stamped steel recoil starter)
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be used on HM80 with stamped steel recoil starter)
411	35568	Debris Screen (Can be used on HM80 with stamped steel recoil starter)
413	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
421	730225 730226 730572	SAE 30, 4-Cycle Engine Oil (Quart) SAE 5W30, 4-Cycle Engine Oil (Quart) Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on HM80 with die cast starter)
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).

Ref # Part Number 431 590609	Qty Description Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431 590610	Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432 611078	A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432 611079	 D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433 590611	Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433 590636	Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).



Ref #	Part Number	Qty Description
	33627	Bearing, Ball
	33628	Washer, Thrust
	31855	Retainer, Bearing
97		Lockwasher, Heavy split, #10 (Buy loc ally)
	650802	Screw, 1/4-20 x 5/8" (Use as required)
	650737	Screw, 1/4-20 x 1/2" (Use as required)
	650738	Screw, 1/4-20 x 1/2 (Use as required)
	650128	· · · · · · · · · · · · · · · · · · ·
		Screw, 10-24 x 1/2" Screw, 10-24 x 5/8"
	650597	Screw, 10-24 x 5/8"
	650778	Lockwasher
	650580	Nut, Lock, 10-24
221	730127	Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
		(Use as required)
227	730164	Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use
		as required)
2201	650824	• •
		Stud, 1/4-20 x 7.33 (Use as required)
228A	650851	Stud, 1/4-20 x 8.1 (Use as required) (Used with drilled thru
		elbow)
239	27272A	* Gasket, Air cleaner
239	27272A	* Gasket, Air cleaner
241	33266	Bracket, Air cleaner
242	33267	Bracket, Air cleaner
	28820	Screw, 10-32 x 1/2"
	34700	Element, Air cleaner
	33268	Element, Air cleaner
	33269A	Cover, Air cleaner
	650513	Nut, Wing, 1/2-20
	35865	Gasket, Exhaust (Use as required)
	35824	· · · · · · · · · · · · · · · · · · ·
		Muffler (Optional quiet muffler)
2/30	391026	Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
		can be used on any model.)
277	650729	Screw, 5/16-18 x 3-3/16"
277A	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
292	26460	Clamp, Fuel line (Use as required)
298	650665	Screw, 1/4-15 x 7/8"
	34870	Decal, Instruction Can be used on HM80 with diecast starter.
	34387	Decal, Instruction Can be used on HM80 with stamped steel
		recoil starter.
005	22220D	
395	33329D	Starter Motor Kit (110-120 Volt) This 110-120 volt starter
		motor kit may have been added to this engine. It can be
		added only if cylinder hasdrilled and tapped starter mounting
		bosses and a ring gear flywheel. Refer to service number
		stamped on end cap of motor, or on decal for identification.
		Ref
408	35570	Screen Seal (Can be used on HM80 with stamped steel
100	00070	recoil starter)
		,
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
		starter)
<i>4</i> 10	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
410	100010	used on HM80 with stamped steel recoil starter)
		·
411	35568	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)

	Part Number	Qty Description
413	650907	Screw, $5/16-18 \times 1-5/8$ " (Can be used on HM80 with stamped steel recoil starter)
	730130 730572	Exh.Adapter Kit (Incl.274,277)(Use as req.) Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on HM80 with die cast starter)
429	650868	Screw, 8-18 \times 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609	Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610	Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078	A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079	D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611	Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636	Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).



Dof #	Part Number Qty	/ Description
	650814	Screw, Torx T-15, 10-24 x 1"
	34661	Link, Governor
	34677	Control Bracket (Incl.19,19A,203,204, 206,209)
	31342	Spring, Compression
	650549	Screw, 5-40 x 7/16"
	610973	Terminal Assy. (Use as required)
	33878	Link, Governor-to-throttle
	650821	Screw, 10-32 x 1/2"
	32410	Knob, Control
	33375D	Blower Housing (For electric starter)
	35824	Muffler (Optional quiet muffler)
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	29774	Fuel Line (Braided 8-1/4")(21 cm)(As req.)
	30705	Fuel Line (Braided 16")(41 cm)(Use as req.)
	30962	Fuel Line (Braided 32")(81 cm)(Use as req.)
	410144B	Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)
	33032	Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16"
001	00002	I.D.)
004	0.404.0	•
301	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile)
		(1-3/16" I.D)
301	35355	Fuel Cap (Red plastic) (1-1/2" I.D.)
339	35038	Spacer, Tank
341	34155	Bracket, Fuel tank mounting
342	650561	Screw, 1/4-20 x 5/8"
370J	34870	Decal, Instruction Can be used on HM80 with diecast starter.
370B	34387	Decal, Instruction Can be used on HM80 with stamped steel
		recoil starter.
370F	35344	Decal, Instruction
	35570	Screen Seal (Can be used on HM80 with stamped steel
100	33373	recoil starter)
400	0==0	•
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
		starter)
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
		used on HM80 with stamped steel recoil starter)
111	35568	Debric Screen (Can be used an HM90 with stamped steel
411	33300	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)
413	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with
		stamped steel recoil starter)
125	730572	Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on
423	130312	HM80 with die cast starter)
		,
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to
		Mechanics Handbook for installation instructions).
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics
700	011077	Handbook for installation instructions).
		,
431	590609	Centering tube (Use with engines equipped with die cast
		aluminum starter)(Use as required) (Refer to Mechanics
		Handbook for installation instructions)
431	590610	Centering tube (Use as required) (Refer to Mechanics
101		Handbook for installation instructions).
• - -	044070	,
432	611078	A.C. Lighting Connector (Use as required) (Refer to
		Mechanics Handbook for installation instructions).

Ref # Part Number 432 611079	Qty Description D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433 590611	Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433 590636	Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).